

正 本

國立成功大學水利及海洋工程學系

便函

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主旨：國際灌溉排水協會感潮區永續發展小組(Working Group on Sustainable Development of Tidal Areas (WG-SDTA), International Commission on Irrigation & Drainage (ICID)，訂於 105 年 8 月 1 日至 105 年 8 月 5 日假國立成功大學舉辦「因應氣候變遷之感潮區域永續管理國際短期課程(International Short Course on Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas)」，敬邀 貴單位派員參加。

說明：

1. 本課程說明及報名單如附件一、二。
2. 本課程名額有限，額滿為止。

正本：中國土木水利工程學會、中華民國土木技師公會全國聯合會、中華民國科技部、中鼎工程股份有限公司、中興工程顧問股份有限公司、內政部營建署、內政部營建署城鄉發展分署、台中市政府、台東縣政府、台灣大學建築與城鄉研究發展基金會、台灣水環境再生協會、台灣世曦工程顧問股份有限公司、台灣省土木技師公會、台灣省水利技師公會、台灣省都市計畫技師公會、台灣環境與災害政策學會、巨廷工程顧問股份有限公司、成功大學防災研究中心、行政院公共工程委員會、行政院農業委員會農田水利處、宜蘭縣政府、花蓮縣政府、金門縣政府、屏東縣政府、美商傑明工程顧問台灣分公司、苗栗縣政府、桃園市政府、高雄市政府、國立中山大學海洋環境及工程學系、國立臺北科技大學建築系暨建築與都市設計研究所、國立臺灣大學土木工程學系、國立臺灣大學水

台灣省土木技師公會

105.6.30

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工試驗所、國立臺灣大學生物環境系統工程學系、國家災害防救科技中心、國際灌溉排水協會中華民國國家委員會、基隆市政府、逢甲大學都市計畫與空間資訊學系、連江縣政府、雲林縣政府、新北市政府、新竹縣政府、經濟部水利署 台中辦公室、經濟部水利署 台北辦公室、經濟部水利署 新店辦公室、經濟部水利署中區水資源局、經濟部水利署水利規劃試驗所、經濟部水利署北區水資源局、經濟部水利署南區水資源局曾文辦公區、經濟部水利署南區水資源局燕巢辦公區、經濟部水利署臺北水源特定區管理局、農業工程研究中心、嘉義縣政府、彰化縣政府、臺北市府、臺南市政府民治市政中心、臺南市政府永華市政中心、澎湖縣政府、黎明工程顧問股份有限公司

副本：國際灌排協會感潮區域永續發展工作小組高瑞棋主任委員、本系王筱雯副教授



謹啟



**International Short Course  
on  
Resilience and Adaptations to  
Climate Change for Sustainable Management  
of Tidal Areas  
August 1<sup>st</sup> – August 6<sup>th</sup>, 2016**



**Organised by**

**ICID's Working Group on Sustainable Development of Tidal Areas (WG-SDTA)**



**ICID-CIID**

**Scope**

Tidal areas are important interactive ecosystems in the nature. Due to the global climate change, tidal areas are threatened by rising sea levels, extreme flood and drought events, and so on. There is a pressing need to accelerate efforts for resilience and adaptation to climate change. Through learning processes and experience sharing, feasible strategies for sustainable management of tidal areas can be derived.

The International Short Course is being organized by ICID's Working Group on Sustainable Development of Tidal Areas (WG-SDTA). The course is intended for resource managers, practitioners, researchers, and others who are familiar with the relevant issues in tidal area and wish to understand and apply the experiences to cope with climate change and man-induced changes in land use. Young professionals with at least five years of experience in the subject area are encouraged to participate. The course combines advance reading, lecture, fieldwork, and

exercises, effectively.

#### Topics include:

1. Special characteristics of land and water management in tidal areas
2. Impacts of climate change on land and water management in tidal area
3. Risk assessment and adaptive management considering climate change
4. International experiences of adaptations to climate change
5. Stakeholders participation
6. Development of water industry (governance etc.)

#### Format

The short course consists of keynotes, speeches, lectures, technical tours and in-class exercises. The course will be interactive and therefore an active input from the participants is expected. Participants will be required to contribute case studies based on experiences from their own country. In-class exercises and project-based learning will be emphasized. The handbook "Towards sustainable development of tidal areas: principles and experiences" will be extensively used throughout the course. At the end of the course, participants will submit a 'Feedback Form' providing a brief summary on how the working knowledge harvested in the short course was useful and would be further helpful in their routine duties.

#### Tentative Agenda

Time	Course
<b>Day 1 August 1, 2016 (Monday)</b>	
09:00 to 10:30	Registration
10:30 to 12:00	<ul style="list-style-type: none"><li>- Opening Ceremony</li><li>- Keynote Speech (I)</li><li>- Keynote Speech (II)</li></ul>
12:00 to 13:30	Lunch
13:30 to 14:20	<ul style="list-style-type: none"><li>- Brief short course overview</li><li>- Participants' self-introduction</li></ul>
14:20 to 14:30	Break
14:30 to 15:50	Lecture 1 – Impacts/ Challenges of land and water management in tidal area (Bart Schultz, the Netherlands)
15:50 to 16:00	Break
16:00 to 17:00	Short Exercise <ul style="list-style-type: none"><li>- Participants' projects experiences</li><li>- Grouping</li></ul>
<b>Day 2 August 2, 2016 (Tuesday)</b>	
Whole Day	Field Trip and Studio (Haomiliao Wetland, Chiayi & Mailiao Reclaimed Land, Yunlin) (Ruey-Chi Kao, Chung-Feng Ding and Hsiao-Wen Wang, Taiwan)
<b>Day 3 August 3, 2016 (Wednesday)</b>	
09:00 to 10:20	Lecture 2 – Special characteristics of water, sediment and land management in tidal areas (Henk Ritzema, the Netherlands)
10:20 to 10:30	Break
10:30 to 11:50	Lecture 3 –Social and institutional aspects on management of tidal areas (John Bourgeois, USA)
11:50 to 13:00	Lunch
13:00 to 14:20	Lecture 4 –Combining science and planning for decision making: Environmental issues in coastal areas (Hsiao-Wen Wang, Taiwan)



14:20 to 14:30	Break
14:30 to 15:50	Short Exercise - Stakeholder Analysis - Listening Practice
15:50 to 16:00	Break
16:00 to 17:30	Group Discussions: Challenges and Limitations
<b>Day 4 August 4, 2016 (Thursday)</b>	
08:00 to 13:30	Field Trip and Studio (Wusanto Reservoir & Southern Taiwan Science Park) ( <i>Ruey-Chi Kao, Chung-Feng Ding and Hsiao-Wen Wang, Taiwan</i> )
13:30 to 14:10	Break
14:10 to 15:30	Lecture 5 –Economic and environmental aspects on management of tidal areas ( <i>TBD</i> )
15:30 to 15:40	Break
15:40 to 17:00	Lecture 6 –Towards sustainable land and water development: Focusing on social aspects ( <i>Shinsuke Ota, Japan</i> )
<b>Day 5 August 5, 2016 (Friday)</b>	
10:00 to 12:00	Group Work
12:00 to 13:00	Lunch
13:00 to 15:00	Symposium (Participants' group presentations)
15:00 to 15:30	Break & Discussion
15:30 to 17:00	- Keynote Speech (III) - Closing Ceremony

※The schedule may be subject to change. ※

#### Venue

National Cheng Kung University, Taiwan. (No.1, University Road, Tainan City 701, Taiwan)

#### Contact coordinates

For further information please contact:

#### Prof. Ruey-Chy Kao

Chairman, WG-SDTA, ICID

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#### Prof. Hsiao-Wen Wang

Executive Director of the Short Course

E-mail: [whw82@mail.ncku.edu.tw](mailto:whw82@mail.ncku.edu.tw)

**International Short Course  
on  
Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas**

**Registration Form**

**1. Basic Information:**

Name

Nationality

Position

Organization/ Department

English Level

☐Excellent ☐Good ☐Average ☐Poor

Connection Information

Telephone

Mobile

E-mail

**2. Educational Background and Experience):**

Degree

Name of the Institute

Area of research (if any)

Experience in the topic of Resilience and Adaptations to Climate Change for Sustainable Management of Tidal Areas  
(attach as Annex, if required).

**3. Course Registration Items**

☐Lectures ☐Lectures & Field trips ☐Lectures & Field trips & Studios

- Please send the **Registration Form** by **July 15, 2016** via the link (<https://goo.gl/6VwQVv>) or e-mail to Miss Kao ([elena.mj.kao@gmail.com](mailto:elena.mj.kao@gmail.com))